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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent No.: 5,867,139

Issue Date: February 2, 1999

In re Patent Application of

TANAKA et al

Atty. Ref.: 1035-299

Serial No. 08/835,207

Group: 2775

Filed: April 7, 1997

Examiner: Luu, M.

For: Liquid Crystal Display Device and Method of  
Driving the Same

\* \* \* \* \*

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**REISSUE DECLARATION**

We, Shinya Tanaka, Takayuki Shimada, Takashi Ochi, Yuzuru Kanemori and  
Mikio Katayama, depose and declare as follows:

1. We are the originally-named inventors for the captioned patent. At least at the time of filing the captioned application, we were employees of Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan. We assigned the captioned patent to Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan (our assignee).

2. Our residences, post office addresses and citizenships as of the time of filing the captioned reissue application are as stated below next to our names.

3. We believe ourselves to be the original, first and joint inventors of the subject matter which is claimed in the reissue application filed on February 2, 2001 and for

which the captioned reissue patent is sought on the invention entitled LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF DRIVING THE SAME.

4. We hereby state that we have reviewed and understand the contents of the above identified specification (e.g., the reissue application filed on February 2, 2001), including the claims, as amended by any amendment referred to above.

5. We further state that we have read and understood this Declaration.

6. We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

7. We hereby claim foreign priority benefits under title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

| <u>Application No.</u> | <u>Country</u> | <u>Day/Month/Year Filed</u> |
|------------------------|----------------|-----------------------------|
| 8-100073               | Japan          | April 22, 1996              |

8. We are seeking reissue of the captioned patent in view of our belief that the captioned patent is partially inoperative by reason of the patentees claiming less than we had a right to claim in the patent.

9. In particular, we believe that we had a right to claim the common line of claim 1 of the captioned patent as being that "to which a common signal is applied", rather than as worded in the printed patent. Further, in connection with the pixel capacitance paragraph limitation of independent claim 1, we believe that we had a right to claim "one of electrodes of said pixel capacitance being connected to said common line".

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10. All errors which are being corrected in the present reissue application up to the time of filing of this declaration arose without any deceptive intention on the part of the applicants.

11. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Shinya TANAKA

Inventor's signature Shinya TANAKA Date February 2, 2001

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Full name of second inventor: Takayuki SHIMADA

Inventor's signature Takayuki Shimada Date February 2, 2001

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Full name of third inventor: Takashi OCHI

Inventor's signature Takashi Ochi Date February 2, 2001

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Full name of fourth inventor: Yuzuru KANEMORI

Inventor's signature Yuzuru KANEMORI Date February 2, 2001

Residence Yamatokoriyama-shi, Nara, Japan Citizenship Japanese

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Full name of fifth inventor: Mikio KATAYAMA

Inventor's signature Mikio Katayama Date February 2, 2001

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Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**ASSENT OF ASSIGNEE**

Sharp Kabushiki Kaisha, a corporation having an office and place of business at Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan, represents that it is the assignee as evidenced by an assignment document recorded in the US Patent Office at Reel 8501/Frame0872 et seq., of all right, title and interest in and to Application Serial No. 08/835,207, filed April 7, 1997, for LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF DRIVING THE SAME.

In accordance with 37 CFR §1.172, Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan, the sole assignee of the captioned patent, hereby assents to the February 2, 2001 filing of a patent application in the United States Patent Office for reissue of the captioned patent. Sharp Kabushiki Kaisha further requests that any reissue patent upon such application be granted to Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan in accordance with 37 CFR §1.172(b)

In accordance with 37 CFR §3.73(b), the evidentiary documents accompanying this document or referred to above have been reviewed by the undersigned and it is certified that to the best of the assignee's knowledge and belief, title is in the assignee seeking to take action.

Sharp Kabushiki Kaisha

By: H. Sasaki

Typed Name: Haruyasu SASAKI

Title: Group General Manager  
Intellectual Property Group

Date: January 29, 2001